NIMA INTEGRATION TEST FACILITY (ITF)

Testing Lessons Learned
Presented to the
TPOC 13 – 14 November 2002

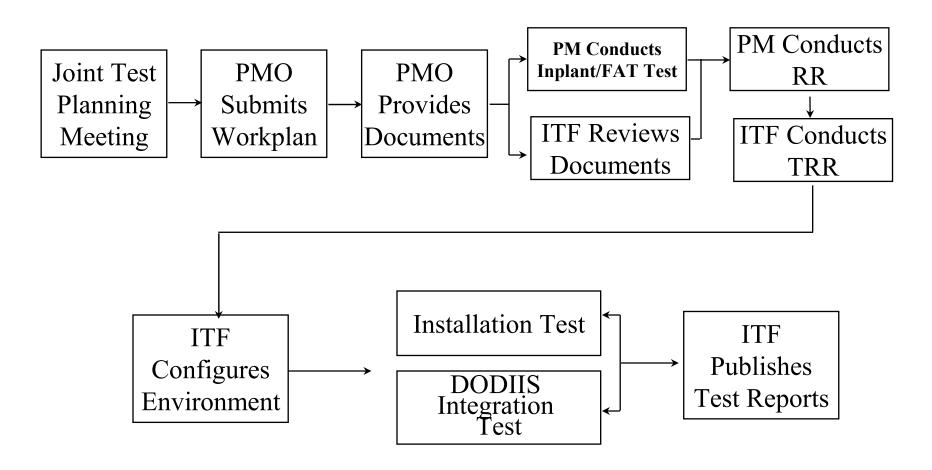by Francine Scrivner-Cruz and Cathy Dreher

Responsibilities

❖ Testing
  – Installation verification
  – DODIIS integration testing
  – Security Testing

❖ Integration assistance and technical support to PMOs, developers, and sites

❖ Support to security accreditation authority

❖ Support to JITC interoperability certification

❖ Test Process Oversight Committee (TPOC)
  – Coordinates test activities and provides forum for users/PMOs

Integration Testing Process

JTPM Goals

- ❖ Ensure all parties have a clear understanding of the certification process and roles of the test organizations

- ❖ Education PM/PMOs on the DoDIIS Certification Process

- ❖ Discuss test schedules for JITF/JITC/SEC/Beta II

- ❖ Identify items due prior to start of testing

Lessons Learned: Documentation

❖ Seldom if Ever on Time

– No Chance to Review Ahead of Time

– Review on the Fly

– Review after Installation

❖ Most Documentation Requirements Never Met

❖ Most Documentation Not Updated

❖ Always in a Reactive Mode

Lessons Learned: Security

- ❖ DCID 6/3 Compliance
  - ❖ DCI Requirement Since 1999
  - ❖ NIMA/SISA tests Against DCID 6/3 Standards
- ❖ PMs to Provide Security Plans and SSAAs
- ❖ Documentation Due including Closed DRs NLT 30 days Prior to Test
- ❖ PM Responsible For Providing a Security Requirements Traceability Matrix
- ❖ SISA Tests Vulnerability of the System
- ❖ Security Findings Documented and Tracked Using DR Process

Lessons Learned: General

❖ No New Kid on the Block Routines

❖ Early JTPM is for PMs **NOT** Testers

❖ ITF Not a Developmental Facility

❖ ITF is for Testing